OIPE

RAW SEQUENCE LISTING   DATE: 04/01/2003
PATENT APPLICATION: **US/09/961,201A**   TIME: 11:23:13

Input Set : **N:\Crf4\03182003\I961201.raw**
Output Set: **N:\CRF4\04012003\I961201A.raw**

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  1 <110> APPLICANT: Dixit, et al.
  2 <120> TITLE OF INVENTION: Interleukin-1 Beta Converting Enzyme Like Apoptotic
Protease-6
  3 <130> FILE REFERENCE: PF335D2
  4 <140> CURRENT APPLICATION NUMBER: US/09/961,201A
  5 <141> CURRENT FILING DATE: 2003-03-18
  6 <150> PRIOR APPLICATION NUMBER: US 09/300,328
  7 <151> PRIOR FILING DATE: 1999-04-27
  8 <150> PRIOR APPLICATION NUMBER: US 08/852,936
  9 <151> PRIOR FILING DATE: 1997-05-08
 10 <150> PRIOR APPLICATION NUMBER: US 60/018,961
 11 <151> PRIOR FILING DATE: 1996-06-05
 12 <150> PRIOR APPLICATION NUMBER: US 60/020,344
 13 <151> PRIOR FILING DATE: 1996-05-23
 14 <150> PRIOR APPLICATION NUMBER: US 60/017,949
 15 <151> PRIOR FILING DATE: 1996-05-20
 16 <160> NUMBER OF SEQ ID NOS: 11
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 416
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
 24      Met Asp Glu Ala Asp Arg Arg Leu Leu Arg Arg Cys Arg Leu Arg Leu
 25      1               5                   10                  15
 26      Val Glu Glu Leu Gln Val Asp Gln Leu Trp Asp Val Leu Leu Ser Arg
 27                      20                  25                  30
 28      Glu Leu Phe Arg Pro His Met Ile Glu Asp Ile Gln Arg Ala Gly Ser
 29                      35                  40                  45
 30      Gly Ser Arg Arg Asp Gln Ala Arg Gln Leu Ile Ile Asp Leu Glu Thr
 31              50                  55                  60
 32      Arg Gly Ser Gln Ala Leu Pro Leu Phe Ile Ser Cys Leu Glu Asp Thr
 33      65                  70                  75                  80
 34      Gly Gln Asp Met Leu Ala Ser Phe Leu Arg Thr Asn Arg Gln Ala Gly
 35                      85                  90                  95
 36      Lys Leu Ser Lys Pro Thr Leu Glu Asn Leu Thr Pro Val Val Leu Arg
 37                      100                 105                 110
 38      Pro Glu Ile Arg Lys Pro Glu Val Leu Arg Pro Glu Thr Pro Arg Pro
 39                      115                 120                 125
 40      Val Asp Ile Gly Ser Gly Gly Phe Gly Asp Val Gly Ala Leu Glu Ser
 41              130                 135                 140
 42      Leu Arg Gly Asn Ala Asp Leu Ala Tyr Ile Leu Ser Met Glu Pro Cys
 43      145                 150                 155                 160
 44      Gly His Cys Leu Ile Ile Asn Asn Val Asn Phe Cys Arg Glu Ser Gly
```

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45                        165              170                   175
46       Leu Arg Thr Arg Thr Gly Ser Asn Ile Asp Cys Glu Lys Leu Arg Arg
47                    180              185              190
48       Arg Phe Ser Ser Leu His Phe Met Val Glu Val Lys Gly Asp Leu Thr
49            195              200              205
50       Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Arg Gln Asp His
51            210              215              220
52       Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln
53       225              230              235              240
54       Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys
55                    245              250              255
56       Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys
57                    260              265              270
58       Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly
59                    275              280              285
60       Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu
61            290              295              300
62       Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln
63       305              310              315              320
64       Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro
65                    325              330              335
66       Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val
67                    340              345              350
68       Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp
69            355              360              365
70       Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu
71            370              375              380
72       Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met
73       385              390              395              400
74       Pro Gly Cys Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Lys Thr Ser
75                    405              410              415
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 1578
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (1357)..(1357)
84 <223> OTHER INFORMATION: n = a, c, g, or t
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (1481)..(1481)
88 <223> OTHER INFORMATION: n = a, c, g, or t
89 <400> SEQUENCE: 2
90     gccatggacg aagcggatcg gcggctcctg cggcggtgcc ggctgcggct ggtggaagag     60
91     ctgcaggtgg accagctctg ggacgtcctg ctgagccgcg agctgttcag gccccatatg    120
92     atcgaggaca tccagcgggc aggctctgga tctcggcggg atcaggccag gcagctgatc    180
93     atagatctgg agactcgagg gagtcaggct cttcctttgt tcatctcctg cttagaggac    240
94     acaggccagg acatgctggc ttcgtttctg cgaactaaca ggcaagcagg aaagttgtcg    300
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RAW SEQUENCE LISTING
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95	aagccaaccc	tagaaaacct	taccccagtg	gtgctcagac	cagagattcg	caaaccagag	360
96	gttctcagac	cggaaacacc	cagaccagtg	gacattggtt	ctggaggatt	cggtgatgtc	420
97	ggtgctcttg	agagtttgag	gggaaatgca	gatttggctt	acatcctgag	catggagccc	480
98	tgtggccact	gcctcattat	caacaatgtg	aacttctgcc	gtgagtccgg	gctccgcacc	540
99	cgcactggct	ccaacatcga	ctgtgagaag	ttgcggcgtc	gcttctcctc	gctgcatttc	600
100	atggtggagg	tgaagggcga	cctgactgcc	aagaaatgg	tgctggcttt	gctggagctg	660
101	gcgcggcagg	accacggtgc	tctggactgc	tgcgtggtgg	tcattctctc	tcacggctgt	720
102	caggccagcc	acctgcagtt	cccagggggct	gtctacggca	cagatggatg	ccctgtgtcg	780
103	gtcgagaaga	ttgtgaacat	cttcaatggg	accagctgcc	ccagcctggg	agggaagccc	840
104	aagctctttt	tcatccaggc	ctgtggtggg	gagcagaaag	accatgggtt	tgaggtggcc	900
105	tccacttccc	ctgaagacga	gtcccctggc	agtaaccccg	agccagatgc	caccccgttc	960
106	caggaaggtt	tgaggacctt	cgaccagctg	gacgccatat	ctagtttgcc	cacacccagt	1020
107	gacatctttg	tgtcctactc	tactttccca	ggtttttgttt	cctggaggga	ccccaagagt	1080
108	ggctcctggt	acgttgagac	cctggacgac	atctttgagc	agtgggctca	ctctgaagac	1140
109	ctgcagtccc	tcctgcttag	ggtcgctaat	gctgtttcgg	tgaaagggat	ttataaacag	1200
110	atgcctggtt	gctttaattt	cctccggaaa	aaactttct	ttaaaacatc	ataaggccag	1260
111	ggcccctcac	cctgccttat	cttgcacccc	aaagctttcc	tgccccaggc	ctgaaagagg	1320
W--> **112**	**ctgaggcctg**	**gactttcctg**	**caactcaagg**	**actttgnagc**	**cggcacaggg**	**tctgctcttt**	**1380**
113	ctctgccagt	gacagacagg	ctcttagcag	cttccagatt	gacgacaagt	gctgaacagt	1440
114	ggaggaagag	ggacagatga	atgccgtgga	ttgcacgtgg	nctcttgagc	agtggctggt	1500
115	ccagggctag	tgacttggtg	tcccatgatc	cctgtgttgg	tctctaggag	cagggattaa	1560
116	cctctgcact	actgacat					1578

118 <210> SEQ ID NO: 3
119 <211> LENGTH: 639
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 3

123	ctgactgcca	agaaaatggt	gctggctttg	ctggagctgg	cgcggcagga	ccacggtgct	60
124	ctggactgct	gcgtggtggt	cattctctct	cacggctgtc	aggccagcca	cctgcagttc	120
125	ccagggggctg	tctacggcac	agatggatgc	cctgtgtcgg	tcgaaagat	tgtgaacatc	180
126	ttcaatggga	ccagctgccc	cagcctggga	gggaagccca	agctcttttt	catccaggcc	240
127	tgtggtgggg	agcagaaaga	ccatgggttt	gaggtggcct	ccacttcccc	tgaagacgag	300
128	tcccctggca	gtaaccccga	gccagatgcc	accccgttcc	aggaaggttt	gaggaccttc	360
129	gaccagctgg	acgccatatc	tagtttgccc	acacccagtg	acatctttgt	gtcctactct	420
130	actttcccag	gtttttgtttc	ctggagggac	cccaagagtg	gctcctggta	cgttgagacc	480
131	ctggacgaca	tctttgagca	gtgggctcac	tctgaagacc	tgcagtccct	cctgcttagg	540
132	gtcgctaatg	ctgtttcggt	gaaagggatt	tataaacaga	tgcctggttg	ctttaatttc	600
133	ctccggaaaa	aactttctt	ttaaaacatc	ataaggcag			639

135 <210> SEQ ID NO: 4
136 <211> LENGTH: 203
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 4

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140    Met Val Leu Ala Leu Leu Glu Leu Ala Arg Gln Asp His Gly Ala Leu
141    1               5                   10                  15
142    Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln Ala Ser His
143                    20                  25                  30
144    Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys Pro Val Ser
145                    35                  40                  45
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RAW SEQUENCE LISTING   DATE: 04/01/2003
PATENT APPLICATION: **US/09/961,201A**   TIME: 11:23:13

Input Set : **N:\Crf4\03182003\I961201.raw**
Output Set: **N:\CRF4\04012003\I961201A.raw**

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146        Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys Pro Ser Leu
147            50              55              60
148        Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly Gly Glu Gln
149        65              70              75              80
150        Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu Asp Glu Ser
151                        85              90              95
152        Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln Glu Gly Leu
153                    100             105             110
154        Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro Thr Pro Ser
155                115             120             125
156        Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val Ser Trp Arg
157            130             135             140
158        Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp Asp Ile Phe
159        145             150             155             160
160        Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu Leu Arg Val
161                        165             170             175
162        Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met Pro Gly Cys
163                    180             185             190
164        Phe Asn Phe Leu Arg Lys Lys Leu Phe Phe Met
165                    195             200
167 <210> SEQ ID NO: 5
168 <211> LENGTH: 34
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: 5' PCR primer
173 <400> SEQUENCE: 5
174     gaacggggta ccgccatgga cgaagcggat cggc                          34
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 60
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
180 <220> FEATURE:
181 <223> OTHER INFORMATION: 3' PCR primer
182 <400> SEQUENCE: 6
183     tgctctagat tagtggtggt ggtggtggtg tgatgtttta aagaaaagtt ttttccggag  60
185 <210> SEQ ID NO: 7
186 <211> LENGTH: 41
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR primer
191 <400> SEQUENCE: 7
192     aagctctttt tcatccaggc cgcgggtggg gagcagaaga c                    41
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 39
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial
198 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 04/01/2003
PATENT APPLICATION: **US/09/961,201A**   TIME: 11:23:13

Input Set : **N:\Crf4\03182003\I961201.raw**
Output Set: **N:\CRF4\04012003\I961201A.raw**

```
199 <223> OTHER INFORMATION: PCR primer
200 <400> SEQUENCE: 8
201       gtctttctgc tccccacccg cggcctggat gaaaaaagc                        39
203 <210> SEQ ID NO: 9
204 <211> LENGTH: 66
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: 3' PCR primer
209 <400> SEQUENCE: 9
210       tgctctagat tacttgtcat cgtcgtcctt gtagtctgat gttttaaagt taagtttttt   60
211       ccggag                                                             66
213 <210> SEQ ID NO: 10
214 <211> LENGTH: 5
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
217 <400> SEQUENCE: 10
218       Gln Ala Cys Arg Gly
219       1               5
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 5
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 11
226       Gln Ala Cys Gly Gly
227       1               5
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/01/2003
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Input Set : **N:\Crf4\03182003\I961201.raw**
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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1357,1481

<u>Invalid Line Length:</u>
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

<u>Invalid <213> Response:</u>
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9

VERIFICATION SUMMARY
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Input Set : **N:\Crf4\03182003\I961201.raw**
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L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1320
M:341 Repeated in SeqNo=2